

**WHAT IS CLAIMED IS:**

1. A nail trimmer comprising:  
a trimmer unit with a dado cutting blade and a motor for driving said dado blade.
2. The nail trimmer of claim 1, wherein said motor is a dc motor and a power source.
3. The nail trimmer of claim 2, wherein said dc motor is a battery-operated motor and said power source is a battery.
4. The nail trimmer of claim 3, wherein said batter is a rechargeable battery and charge contacts for recharging said battery are placed on an upper end of said trimmer unit.
5. The nail trimmer of claim 1 further comprising an ON/OFF switch that opens and closes an electrical circuit between said power source and said motor.
6. The nail trimmer of claim 5, wherein said ON/OFF switch is a gravity-activated switch that closes said electrical circuit when said trimmer unit is held in an operating position.
7. The nail trimmer of claim 3, wherein said battery is enclosed within said extension housing and an ON/OFF switch energizes a circuit between said battery and said motor.
8. The nail trimmer of claim 1 further comprising a removable cap, wherein said trimmer unit has a trimmer unit housing with a lower end that has an

opening, wherein a waste material collection area is provided beneath said dado cutting blade, and wherein said cap encloses said opening in said trimmer unit housing.

9. The nail trimmer of claim 1, further comprising an output shaft and an extension housing with an upper end and a lower end, wherein said motor is enclosed with said upper end, wherein said trimmer unit is assemblable at said lower end, and wherein said output shaft transmits output from said motor to said dado cutting blade.

10. The nail trimmer of claim 1, wherein said trimmer unit is removably assemblable at said lower end.

11. A nail trimmer comprising:

a trimmer unit with a dado cutting blade mounted within a trimmer unit housing with a blade opening;

a dc motor with an output shaft, an ON/OFF switch, and a power source;  
and

an extension housing;

wherein said extension housing has an upper end and a lower end and a housing length that allows a user to position said trimmer unit at a toenail, without having to maintain a severely bent-over position, ;

and wherein said upper end of said extension housing is a gripping end and said trimmer unit is assemblable on said lower end.

12. The nail trimmer of claim 11, wherein said trimmer unit housing has a lower trimmer unit end with an openable enclosure means;

wherein a waste collection area is provided beneath said dado cutting blade and said openable closure means; and

wherein said openable closure means is openable for discharging waste material from said waste collection area.

13. The nail trimmer of claim 12, wherein said openable closure means is a removable cap.

14. The nail trimmer of claim 13, wherein said removable cap is made of a non-skid material.

15. The nail trimmer of claim 13, wherein said removable cap provides a toe protection contour for supporting a toe and presenting a protruding edge of toenail material at said blade opening to a cutting edge of said dado cutting blade.

16. The nail trimmer of claim 11, wherein said dc motor, said power source and said ON/OFF switch are assembled within said upper end of said extension housing;

wherein said output shaft extends between said dc motor and said trimmer unit.

17. The nail trimmer of claim 16, wherein said power source is a rechargeable battery and charge contacts are provided on an outer surface of said upper end of said extension housing.

18. The nail trimmer of claim 17, wherein said ON/OFF switch is a gravity-feed switch and automatically energizes said dc motor when said trimmer unit is brought into an operating position.

19. A nail trimmer comprising:

a trimmer unit with a drive means, a dado cutting blade, a removable cap, and a trimmer unit housing, said trimmer unit housing having a blade opening for exposing a portion of a cutting edge of said dado cutting blade and further having an open lower end over which said removable cap is assemblable;

a dc motor, an output shaft, and a power source;

an ON/OFF switch; and

an extension housing;

wherein said extension housing has an upper extension housing end and a lower extension housing end and has a housing length that allows a user to position said trimmer unit at a toenail, without having to maintain a severely bent-over position, and wherein said trimmer unit is assemblable at said lower extension housing end;

wherein said dc motor, said power source, and said ON/OFF switch are enclosed within said upper extension housing end and said ON/OFF switch energizes a circuit between said power source and said dc motor;

wherein said output shaft extends coaxially along said extension housing between an output of said motor and drive means for driving said dado cutting blade;

and wherein said removable cap has a safety contour along a front portion of said removable cap, said front portion being a portion of said cap that extends along a lower edge of said blade opening and wherein said removable cap is positionable against a front portion of a toe with a toenail to be trimmed, so as to present a protruding edge of said toenail to said dado cutting blade and to protect said front portion of said toe from being injured by said dado cutting blade.